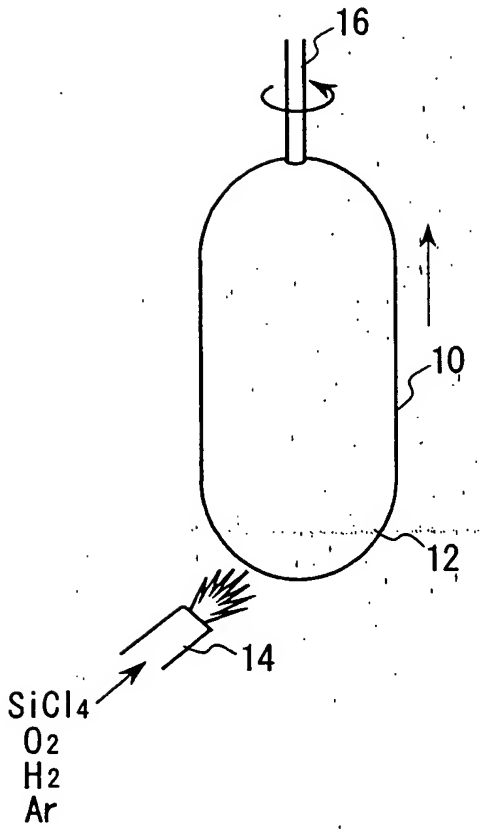

FIG. 1

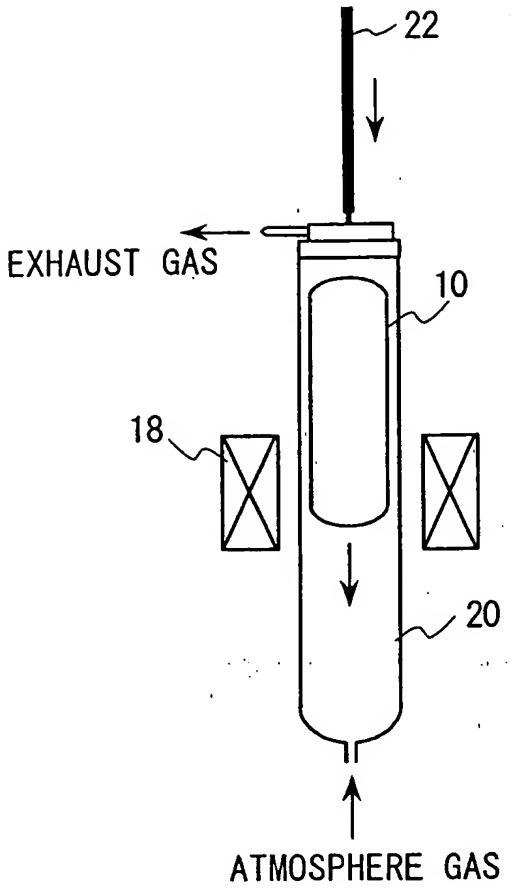

FIG. 2

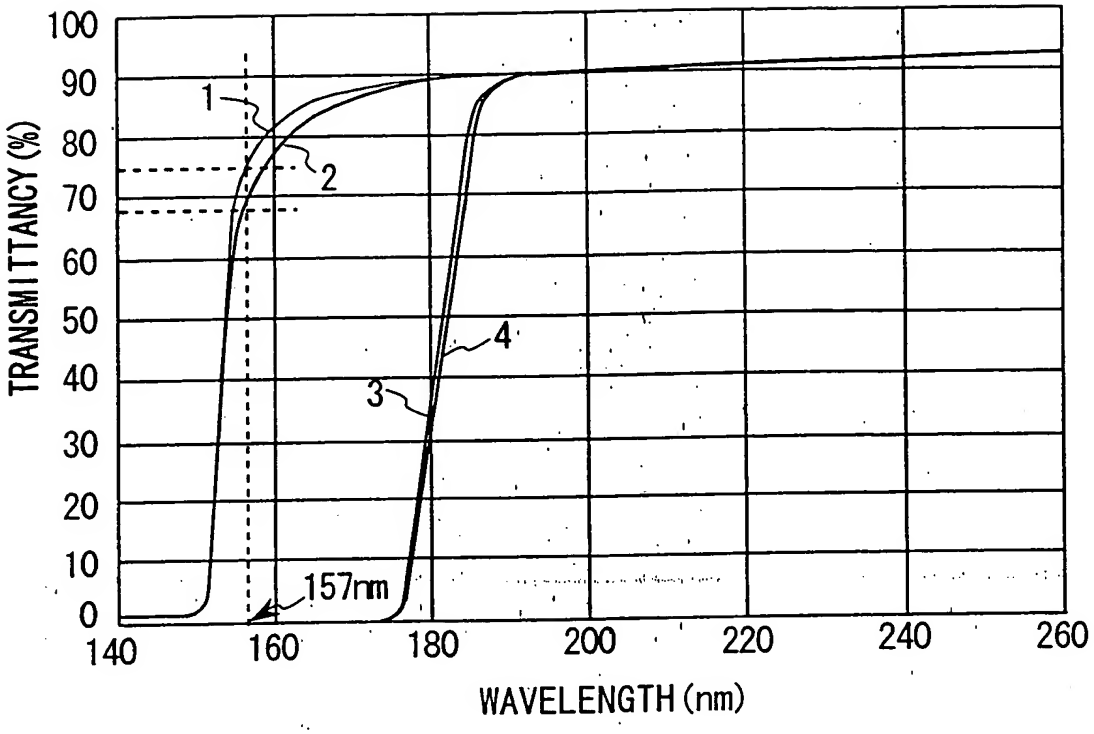
100
90
80
70
60
50
40
30
20
10
0
TRANSMITTANCY (%)
1
2
3
4
157nm
140
160
180
200
220
240
260
WAVELENGTH (nm)

FIG. 3

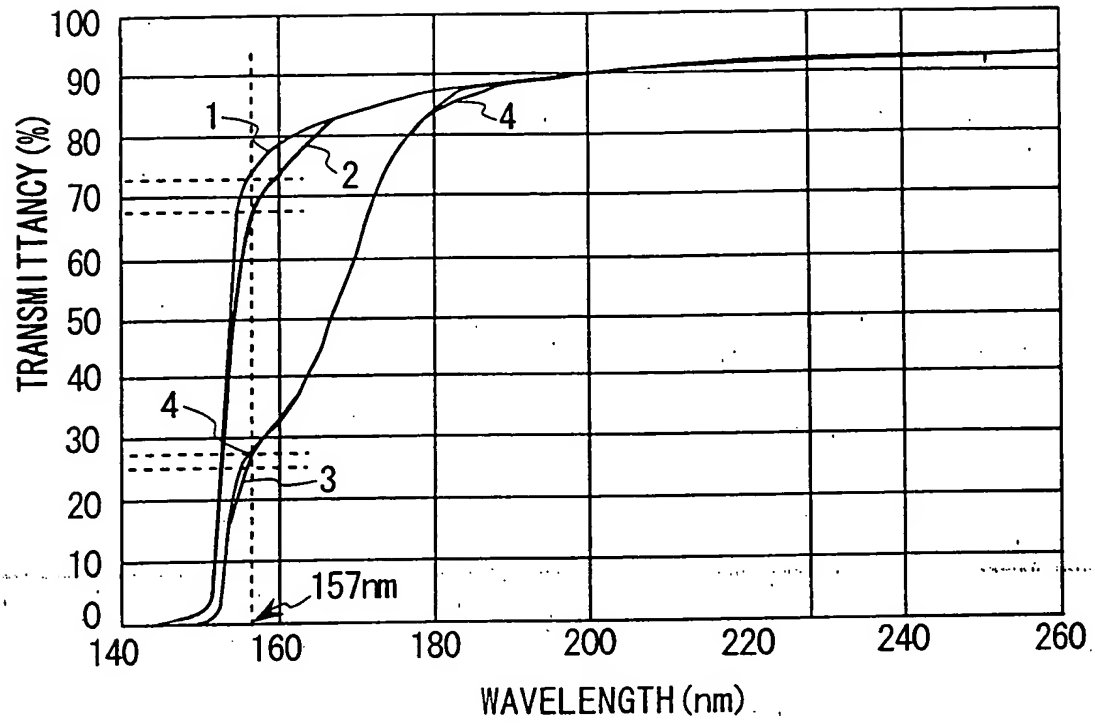
100
90
80
70
60
50
40
30
20
10
0
TRANSMITTANCY (%)
1
2
3
4
4
157nm
140
160
180
200
220
240
260
WAVELENGTH (nm)

FIG. 4

	CONDITIONS			REMARKS
		FIRST PROCESS	SECOND PROCESS	
EXAMPLE 1	ATMOSPHERE TEMPERATURE PASSING SPEED	He 3ℓ/min, H_2 0.5ℓ/min 1000℃ 3㎜/min	SiF_4 1.6ℓ/min 1380℃ 3㎜/min	PRE-HEATING PROCESS WITH H_2
COMPARATIVE EXAMPLE 1	ATMOSPHERE TEMPERATURE PASSING SPEED	NONE	SiF_4 1.6ℓ/min 1380℃ 3㎜/min	NO PRE-HEATING
COMPARATIVE EXAMPLE 2	ATMOSPHERE TEMPERATURE PASSING SPEED	NONE	SiF_4 1.6ℓ/min, H_2 0.5ℓ/min 1380℃ 3㎜/min	NO PRE-HEATING; SINTERING WITH H_2
COMPARATIVE EXAMPLE 3	ATMOSPHERE TEMPERATURE PASSING SPEED	He 3ℓ/min, Cl_2 0.3ℓ/min 1000℃ 3㎜/min	SiF_4 1.6ℓ/min, H_2 0.5ℓ/min 1380℃ 3㎜/min	DEHYDRATION WITH Cl_2; SINTERING WITH H_2

FIG. 5

	CONDITIONS			REMARKS
		FIRST PROCESS	SECOND PROCESS	
EXAMPLE 2	ATMOSPHERE TEMPERATURE PASSING SPEED	He 3ℓ/min, O_2 1ℓ/min 1000℃ 3mm/min	SiF_4 1.6ℓ/min 1380℃ 3mm/min	PRE-HEATING PROCESS WITH O_2
COMPARATIVE EXAMPLE 4	ATMOSPHERE TEMPERATURE PASSING SPEED	NONE	SiF_4 1.6ℓ/min 1380℃ 3mm/min	NO PRE-HEATING
COMPARATIVE EXAMPLE 5	ATMOSPHERE TEMPERATURE PASSING SPEED	NONE	SiF_4 1.6ℓ/min, O_2 1ℓ/min 1380℃ 3mm/min	NO PRE-HEATING; SINTERING WITH O_2
COMPARATIVE EXAMPLE 6	ATMOSPHERE TEMPERATURE PASSING SPEED	He 3ℓ/min, Cl_2 0.3ℓ/min 1000℃ 3mm/min	SiF_4 1.6ℓ/min, O_2 1ℓ/min 1380℃ 3mm/min	DEHYDRATION WITH Cl_2; SINTERING WITH O_2

FIG. 6